## Claims

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- 5 1. A pharmaceutical preparation comprising nimesulide and a sub-therapeutic dose of aspirin.
  - 2. The preparation of claim 1 wherein said nimesulide and said aspirin are formulated separately for simultaneous or sequential administration.
  - 3. The preparation of claim 1 wherein said nimesulide and said aspirin are formulated together as a single composition.
- 4. The preparation of claim 1 wherein said nimesulide and said aspirin are present in amounts such that the preparation has an anti-platelet aggregation effect exceeding that of either nimesulide or aspirin alone.
  - 5. The preparation of claim 4 wherein the amounts of said nimesulide and said aspirin are such that their anti-platelet aggregation effect is synergistic.
- 25 6. The preparation of claim 1 wherein said subtherapeutic dose of aspirin is 1-60 mg per dosage form.
  - 7. The preparation of claim 1 wherein said nimesulide is present in an amount of 1-200 mg per dosage form.
  - 8. The preparation of claim 1 wherein said nimesulide is present in a sub-therapeutic amount per dosage form.
- 9. A method of treatment of a human or non-human
  35 animal subject in need of anti-platelet aggregation
  treatment, said method comprising administering to said
  subject an effective amount of a pharmaceutical

preparation comprising nimesulide and a sub-therapeutic dose of aspirin.